Identical Figures



GROUPING OF IDENTICAL FIGURES

In such type of problems a set of figures is given. A student is required to analyse the properties of them. And hence group the figures having similar properties.

EXAMPLE

Make three groups of the following figures, members of each group have the same properties.



 $\begin{array}{l} \text{(a)} 1, 8, 9; 4, 6, 7; 1, 3, 5\\ \text{(b)} 2, 5, 9; 1, 3, 8; 4, 6, 7\\ \text{(c)} 1, 5, 8; 4, 6, 7; 2, 3, 9\\ \text{(d)} 1, 3, 9; 2, 5, 8; 4, 6, 7 \end{array}$

Explanation (c):

- 1, 5, 8: Each open figure is bisected by a line segment.
- 4, 6, 7 : A line segment is additionally added to each closed figure.
- 2, 3, 9 : Each closed figure is intersected by a line segment.